

Mathematics Learning Support: Knowledge and Skills.



Description:

The purpose of this digital badge is to outline clearly to a trainee tutor the typical mathematical ability of students who require Mathematics Learning Support (MLS) and how to interact effectively with them through the application of appropriate teaching and learning approaches relevant to MLS. It also enhances tutors' awareness of both the implications of the non-academic differences between students and the range of situations that can occur as a result of diverse student approaches to learning.

Tags: Learning, Mathematics, Professional Development, Tutoring

Criteria:

The owner of this digital badge is able to:

- Recognise that many students enter higher level education with diverse levels of mathematical ability.
- Note the mathematical topics where there are clear gaps in student understanding such as integration, vectors, BIDMAS, etc.
- Develop ways of dealing with scenarios which are commonly encountered during MLS sessions e.g. how to welcome a student to the centre, behaviours they should avoid, habits they should adopt while working in their MLS centre.
- Recognise the importance of individual (non-academic) differences and needs amongst students, to understand how these can impact on your engagement with the student and to be aware of and comfortable with appropriate interaction with the students in these situations.
- Demonstrate awareness of the range of motivational factors and approaches to learning which are adopted by students, and to be able to respond appropriately to the variety of situations that may occur.

The owner of this digital badge has demonstrated these abilities by doing the following (or equivalent):

- Completing a workshop on MLS and writing a one-page summary (essay or bullet points or mind map) of key items learnt.
- Completing a workshop on the individual differences of students and writing a one-page summary (essay or bullet points or mind map) of key items learnt.
- Providing evidence of completion of 10 hours MLS work in their institution.
- Showing evidence of preparation and/or facilitation of a small group tutoring session.